

What is claimed is:

1. A continuous process for preparing additive mixtures for mineral oils and mineral oil distillates, comprising

- A) a cold flow improver for middle distillates, and at least one further component selected from B) and C):
- B) a further cold flow improver,
- C) an organic solvent,

which comprises mixing cold flow improver and optionally solvent by means of a static mixer, the temperature of the additive mixture at the outlet of the static mixer being from 0°C to 100°C.

2. The process as claimed in claim 1, wherein the temperature of the additive mixture at the outlet of the static mixer is from 30 to 90°C, preferably from 50 to 85°C.

3. The process as claimed in claim 1 and/or 2, wherein the flow improver comprises at least one copolymer of ethylene and further ethylenically unsaturated comonomers.

4. The process as claimed in one or more of claims 1 to 3, wherein the flow improver comprises at least one oil-soluble polar nitrogen compound.

5. The process as claimed in one or more of claims 1 to 4, wherein the flow improver comprises at least one comb polymer.

6. The process as claimed in one or more of claims 1 to 5, wherein the flow improver comprises at least one alkylphenol-aldehyde resin.

7. The process as claimed in one or more of claims 1 to 6, wherein the flow improver comprises at least one polyoxyalkylene derivative.
8. The process as claimed in one or more of claims 1 to 7, wherein the flow improver comprises at least one olefin copolymer.
9. The process as claimed in one or more of claims 1 to 8, wherein a helical mixer having helical element groups consisting of from 2 to 200 mixing elements is used.
10. The process as claimed in one or more of claims 1 to 9, wherein the mixer has a relative mixer length L/D of from 2 to 50, where L is the length and D is the diameter of the mixing zone.
11. The process as claimed in one or more of claims 1 to 10, wherein the pressure drop over the mixing zone is less than 10 bar.
12. The process as claimed in one or more of claims 1 to 11, wherein the mixing time is less than 60 s.
13. The process as claimed in one or more of claims 1 to 12, wherein the cold flow improver comprises a terpolymer which, apart from ethylene, contains from 0.1 to 12 mol%, in particular from 0.2 to 5 mol%, of vinyl neononanoate or of vinyl neodecanoate, and from 3.5 to 20 mol%, in particular from 8 to 15 mol%, of vinyl acetate, and the total comonomer content is between 8 and 21 mol%, preferably between 12 and 18 mol%.
14. The process as claimed in one or more of claims 1 to 13, wherein the cold flow improver comprises a terpolymer which, apart from ethylene and from 8 to 18 mol% of vinyl esters, also contains from 0.5 to 10 mol% of olefins selected from the group consisting of propene, butene, isobutylene, hexene, 4-methylpentene, octene, diisobutylene and/or norbornene.

15. An additive mixture prepared according to the process as claimed in one or more of claims 1 to 14.

16. A fuel oil prepared according to the process as claimed in one or more of claims 1 to 14.